

Patent
Attorney's Docket No. 032590-092

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Kurozumi, et al.) Group Art Unit: Unassigned
Application No.: Unassigned) Examiner: Unassigned
Filed: Herewith)
For: SIGNAL DETECTION METHOD AND)
APPARATUS, RELEVANT)
PROGRAM, AND STORAGE)
MEDIUM STORING THE PROGRAM)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the subject application as follows:

IN THE CLAIMS:

Please amend claim 8 as follows:

8. (Amended) A signal detection method as claimed in claim 5, wherein in the distortion adding step:

an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and

the distortion is added using at least one of the amount of parallel translation and the variance.

Please amend claim 18 as follows:

18. (Amended) A signal detection apparatus as claimed in claim 15, wherein:
the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and
the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

PLEASE ADD THE FOLLOWING CLAIMS:

23. A signal detection method as claimed in claim 7, wherein in the distortion adding step:
an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and
the distortion is added using at least one of the amount of parallel translation and the variance.

24. A signal detection apparatus as claimed in claim 17, wherein:

the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and

the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

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REMARKS

The claims of the subject application have been amended to avoid multiple dependency. Favorable consideration of the subject application is respectfully requested.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 8 and 18 have been amended as follows:

8. (Amended) A signal detection method as claimed in any one of claims 5 and 7, wherein in the distortion adding step:

an amount of distortion used for distorting features is modeled using a normal distribution, wherein parameters in the modeling are the amount of parallel translation and the variance; and

the distortion is added using at least one of the amount of parallel translation and the variance.

18. (Amended) A signal detection apparatus as claimed in any one of claims 15 and 17, wherein:

the distortion adding section models an amount of distortion by using a normal distribution, wherein the amount of distortion is used for distorting features, and parameters in the modeling are the amount of parallel translation and the variance; and

the distortion adding section adds the distortion using at least one of the amount of parallel translation and the variance.

Claims 23-24 have been added.